

FIG. 1

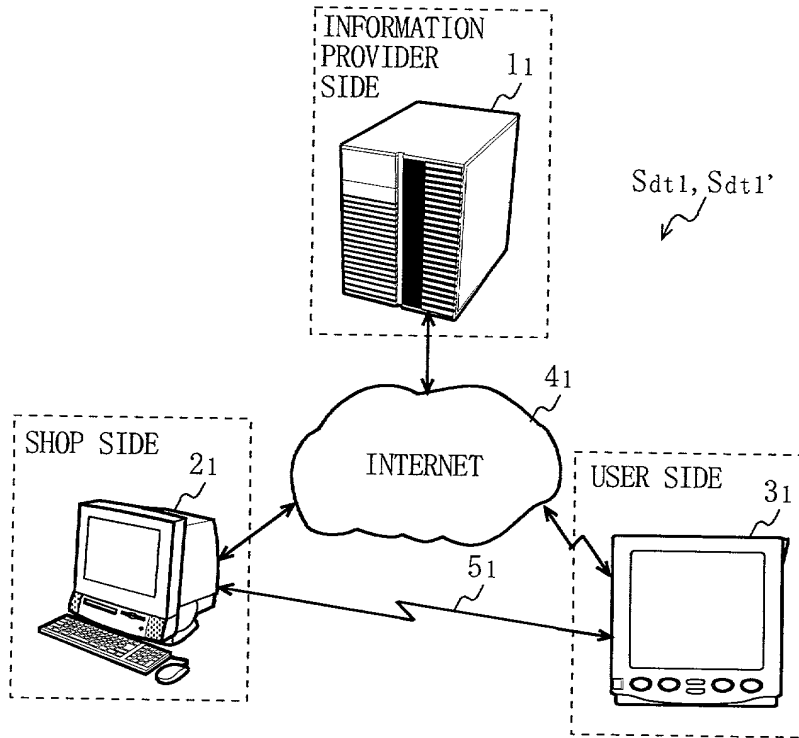


FIG. 2

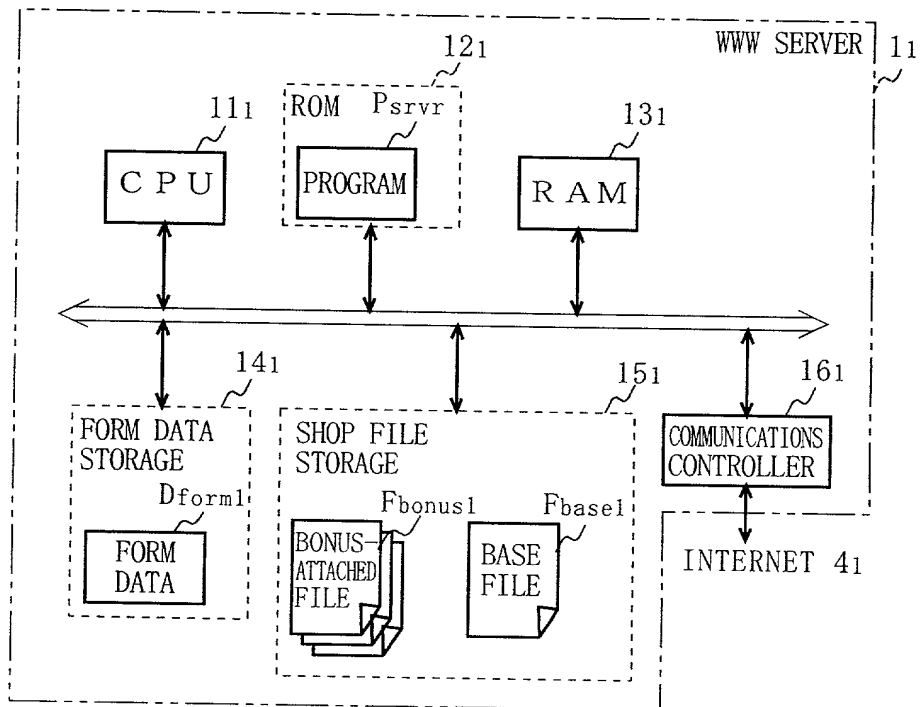


FIG. 3A

Form structure for FIG. 3A:

- SHOP NAME: (Label: Cname)
- SHOP INFORMATION: (Label: Cinfo)
- BONUS DETAILS: (Label: Ccob)
- BONUS IDENTIFIER ID_{bonus}: (Label: Ciob)
- TRANSMISSION: (Label: Btx1)

Finl

FIG. 3B

Form structure for FIG. 3B:

- PUB X
- BONUS
 - BRING DATA TERMINAL EQUIPMENT 3 WITH THE FOLLOWING BONUS IDENTIFIER ID_{bonus} RECORDED THEREON. YOU WILL GET THE BONUS BELOW.
 - 20% OFF ON MEAL CHARGES
- BONUS IDENTIFIER ID_{bonus}:yyyy
- MAP AROUND THE SHOP
- Map showing Y STATION and PUB X

INshop1

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FIG. 4

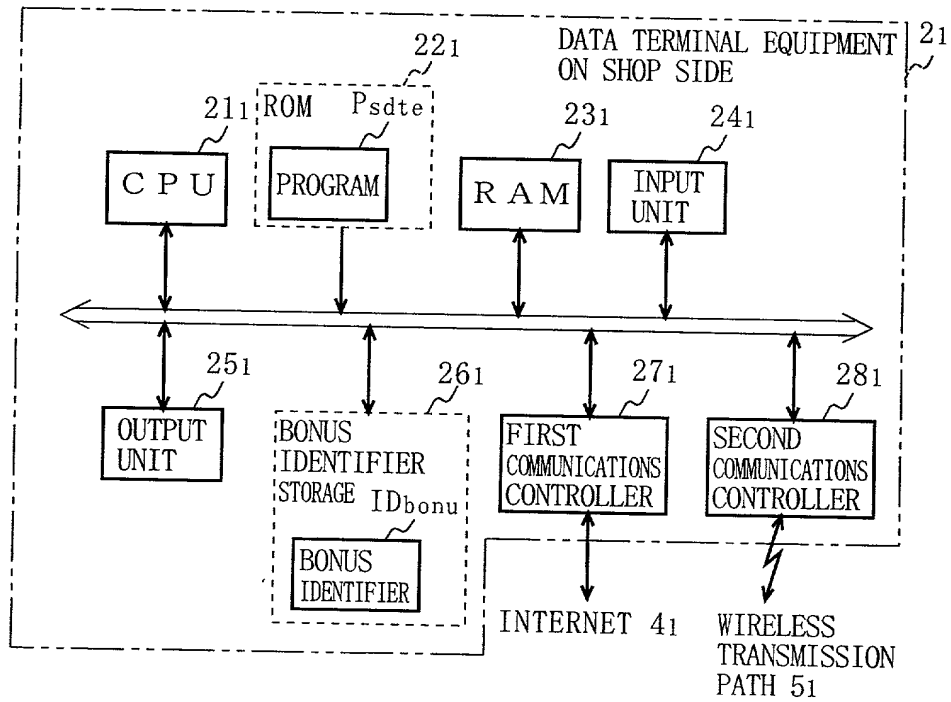


FIG. 5

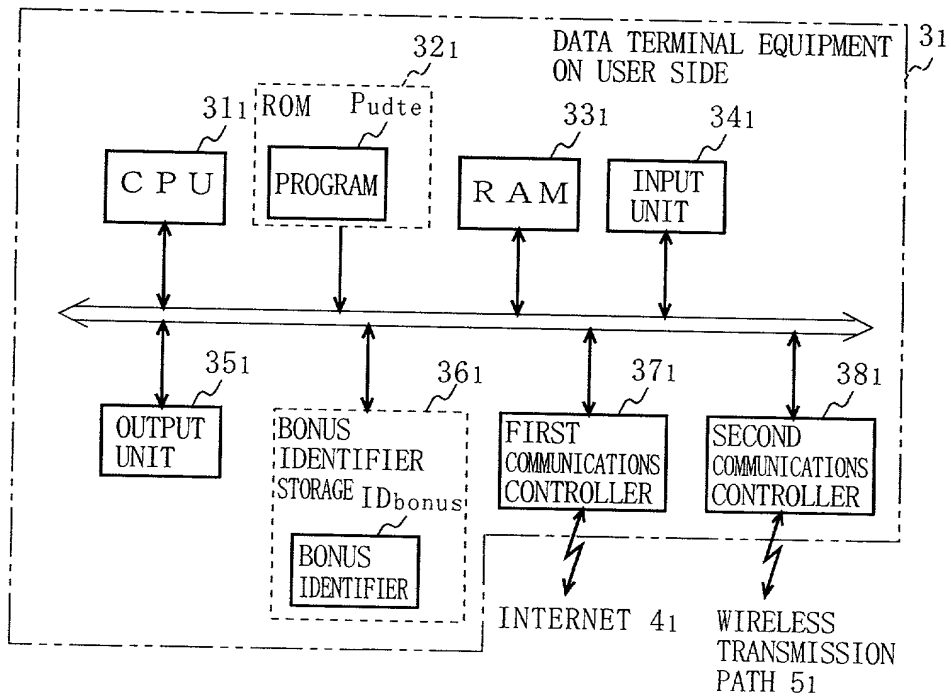
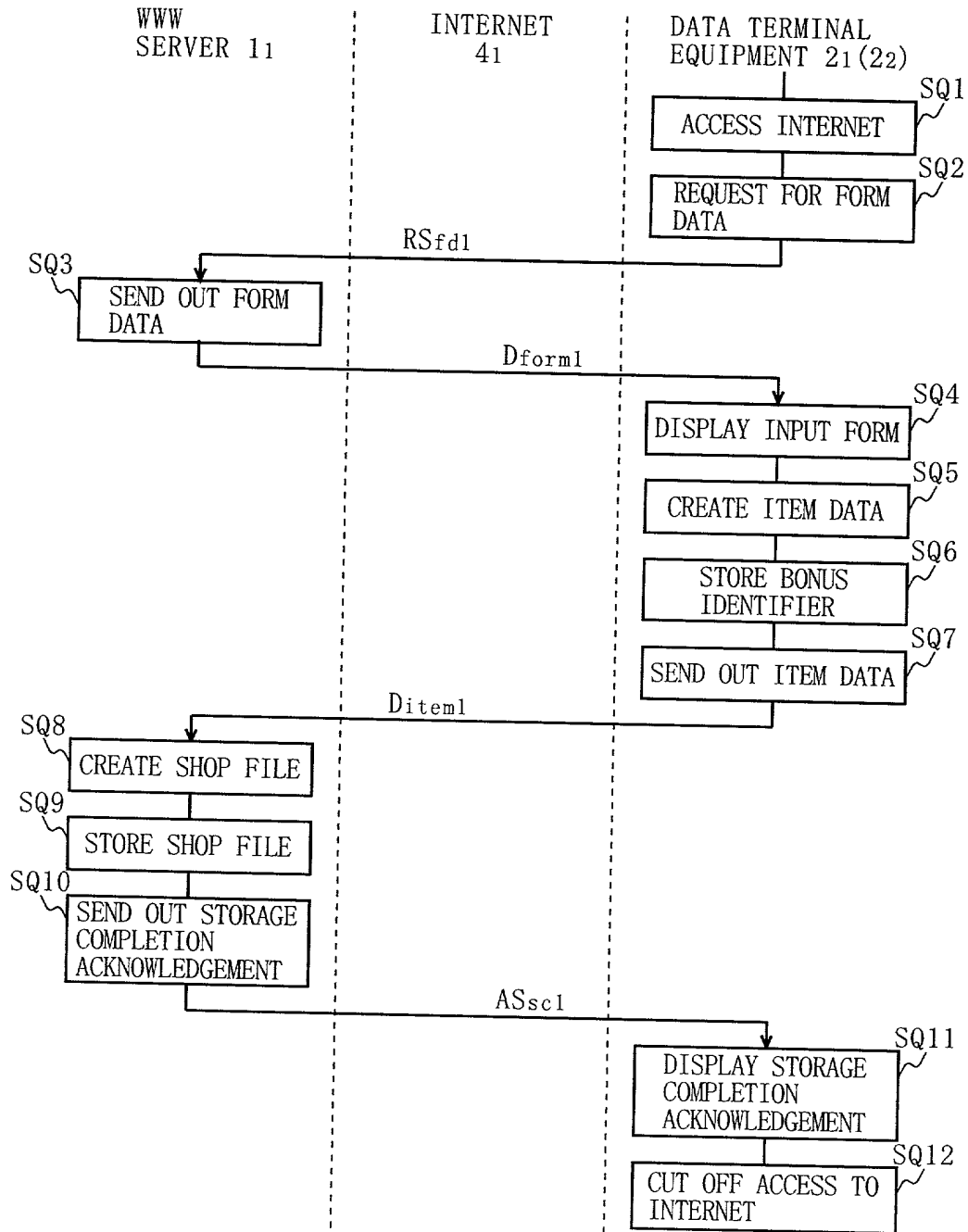
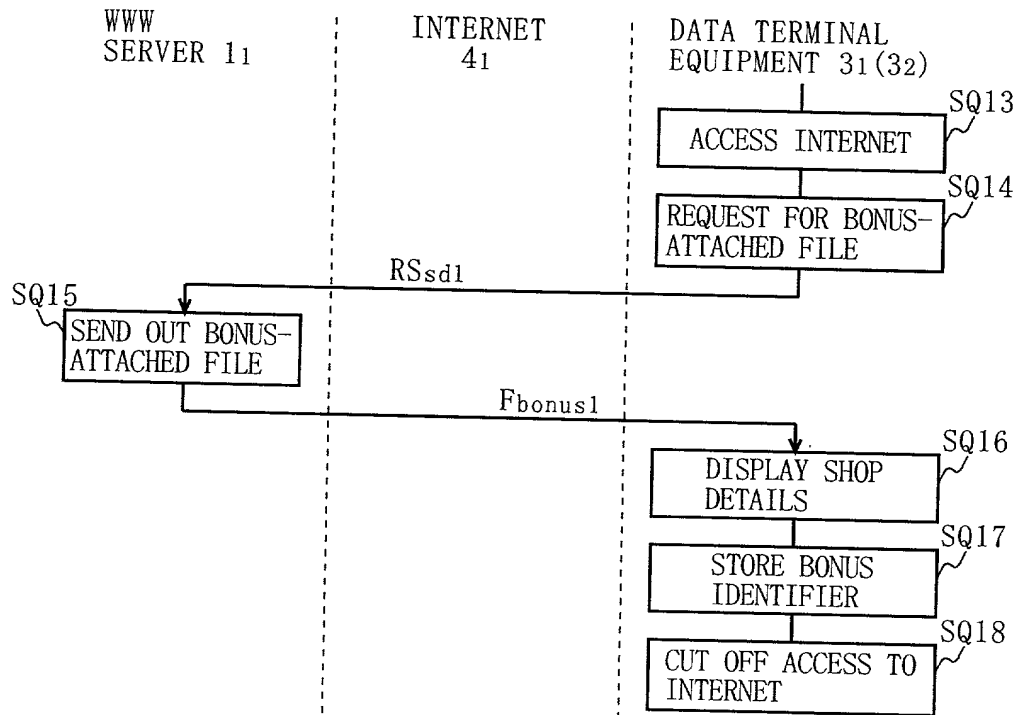


FIG. 6



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FIG. 7



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FIG. 8

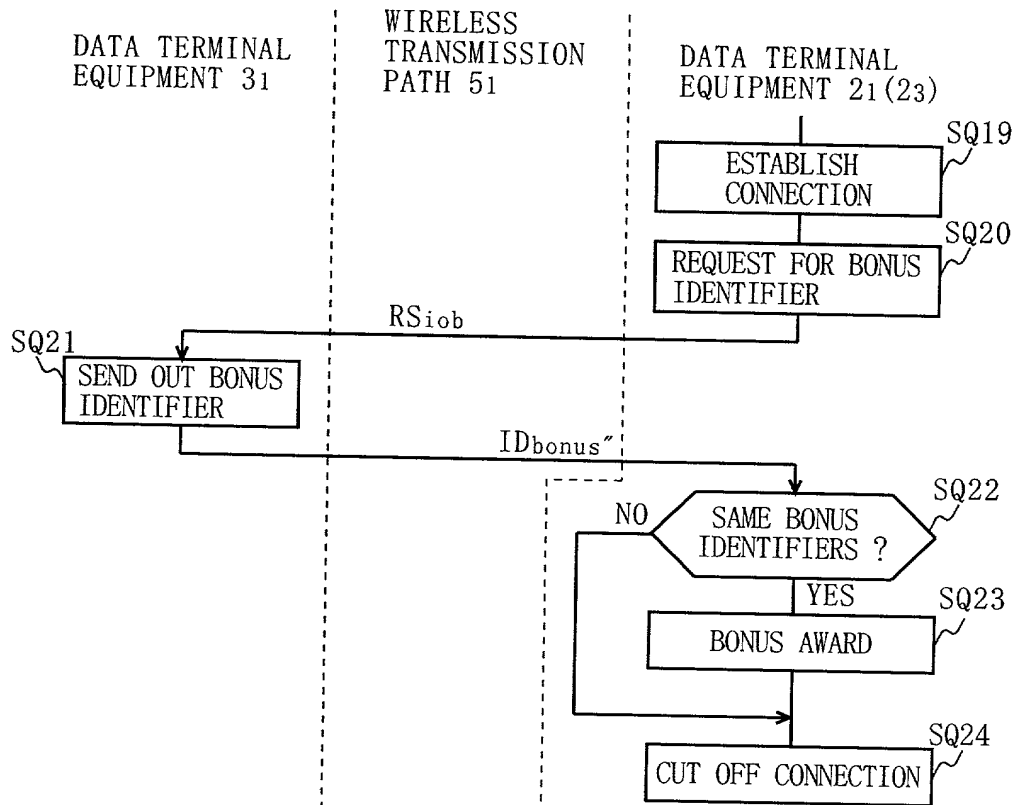


FIG. 9

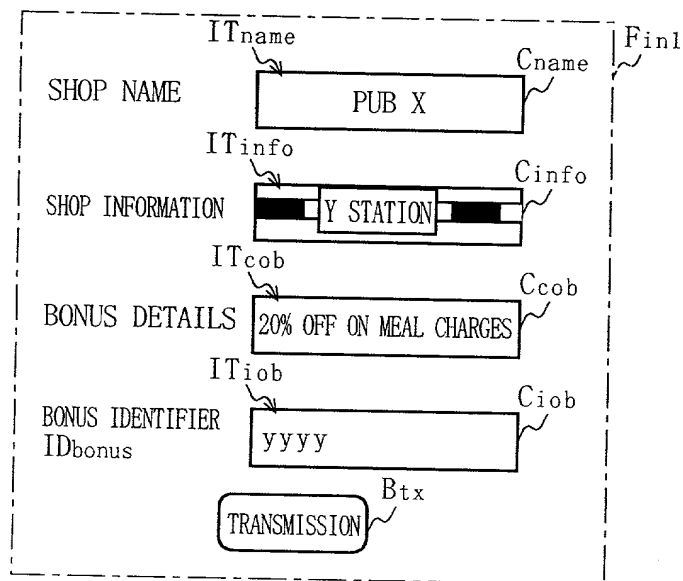
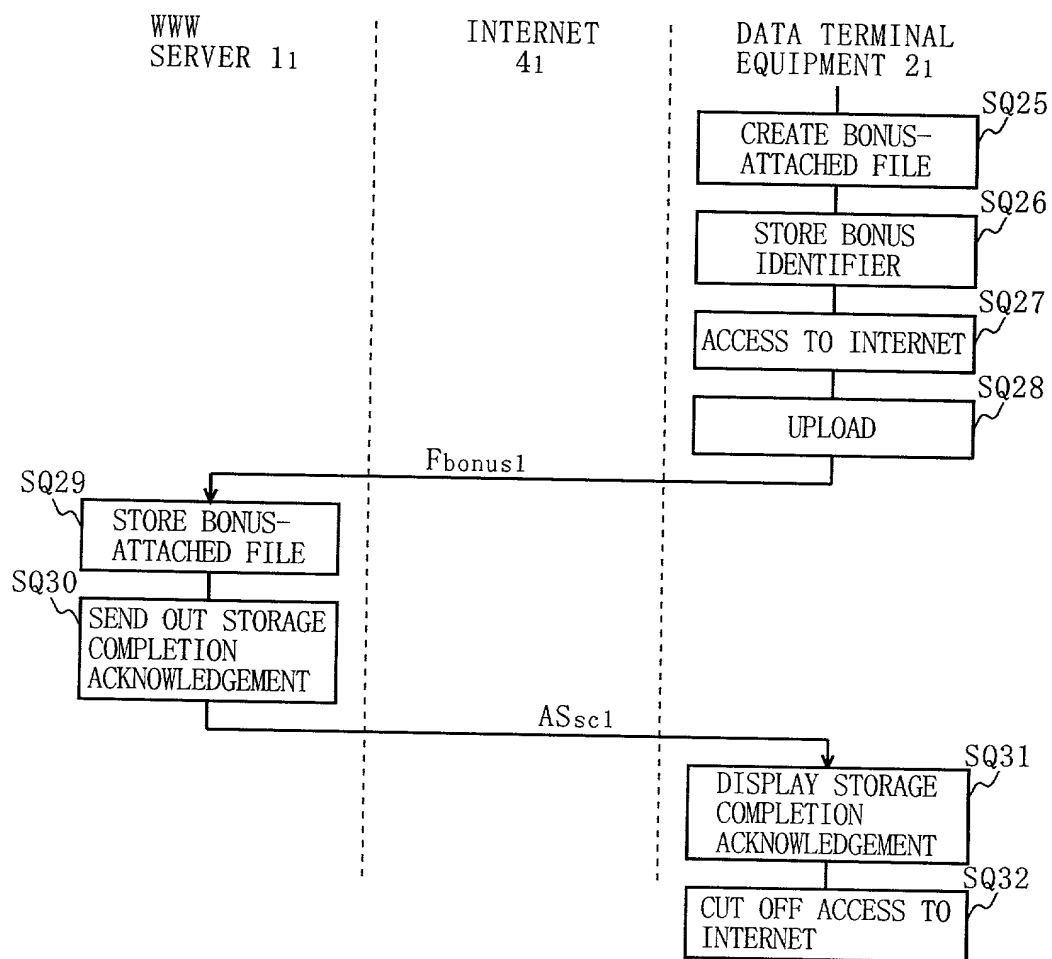


FIG. 10



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FIG. 11

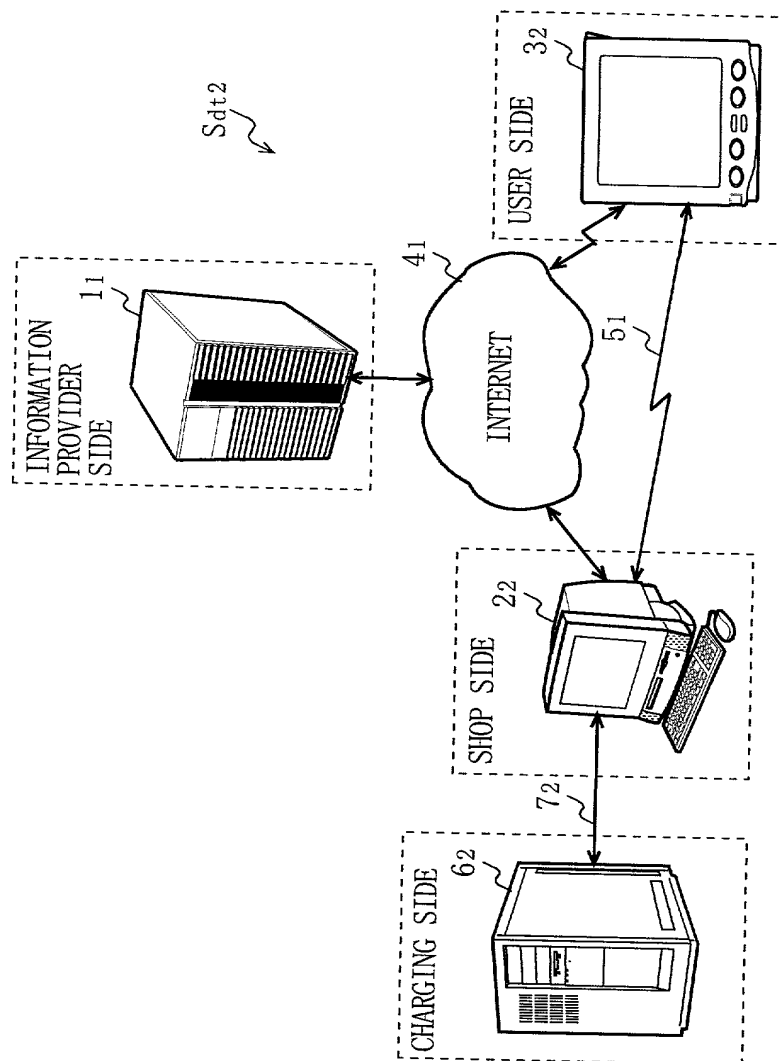


FIG. 12

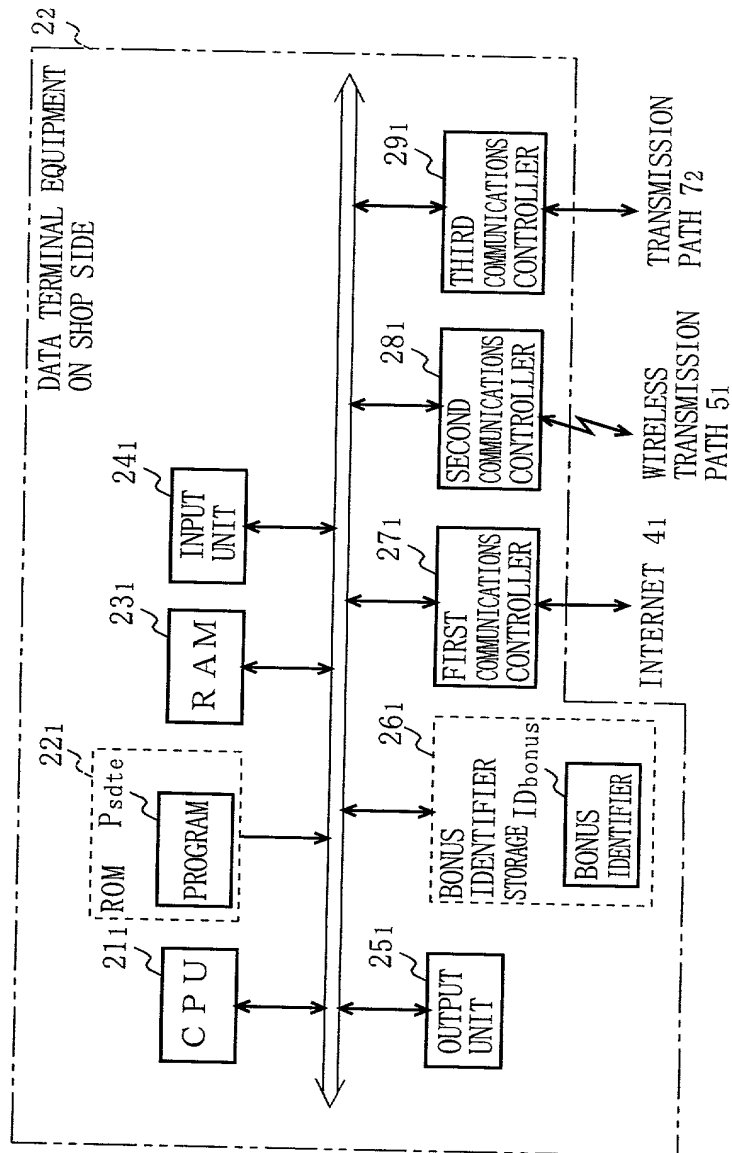


FIG. 13

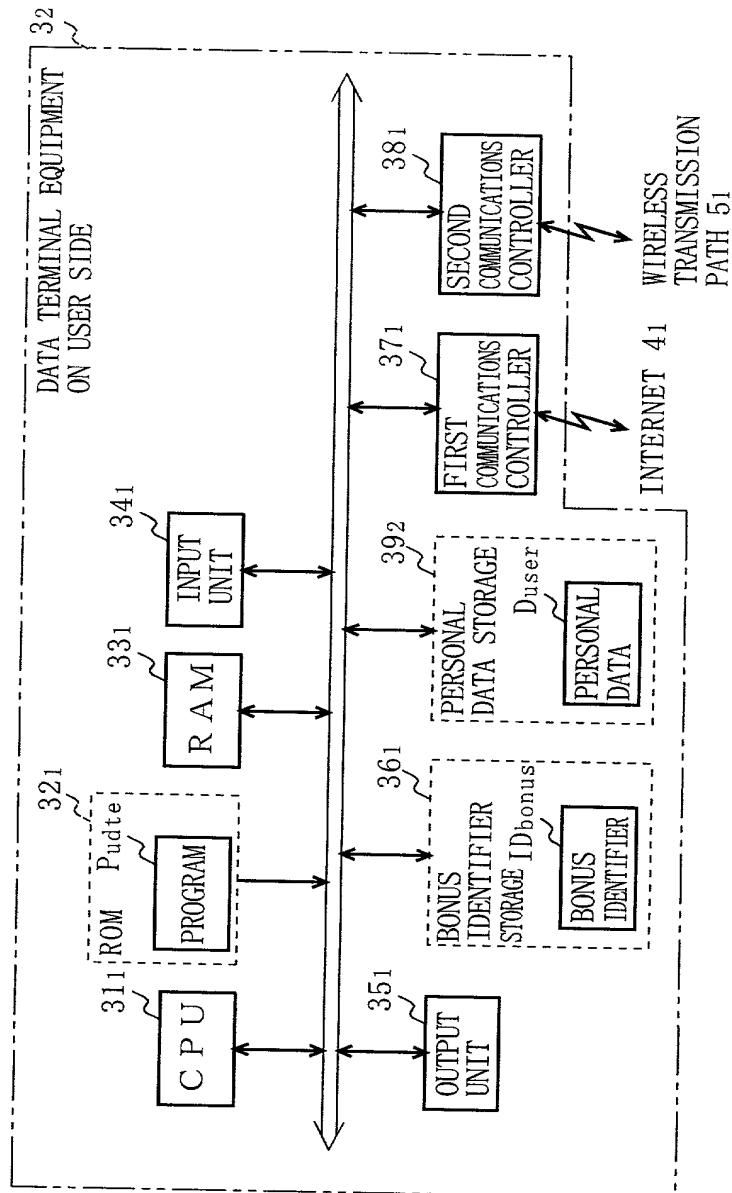


FIG. 14A

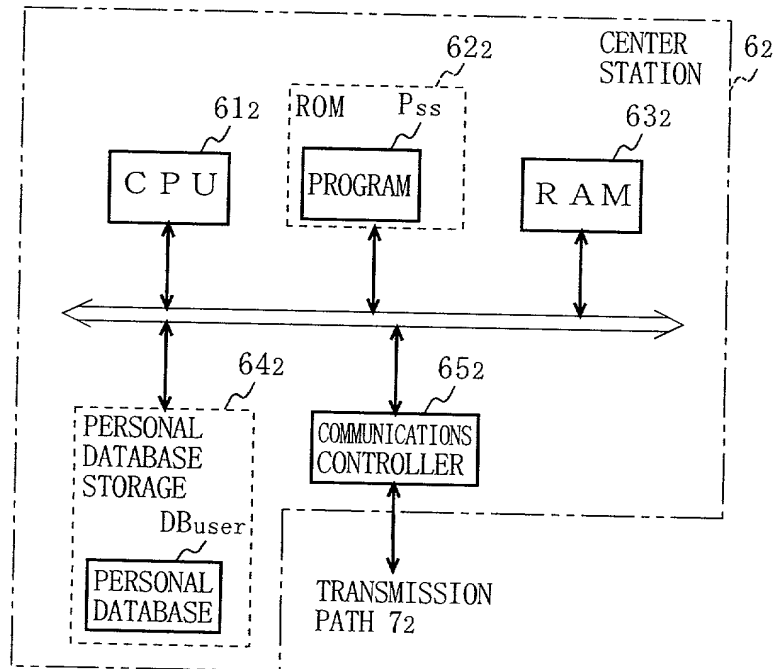
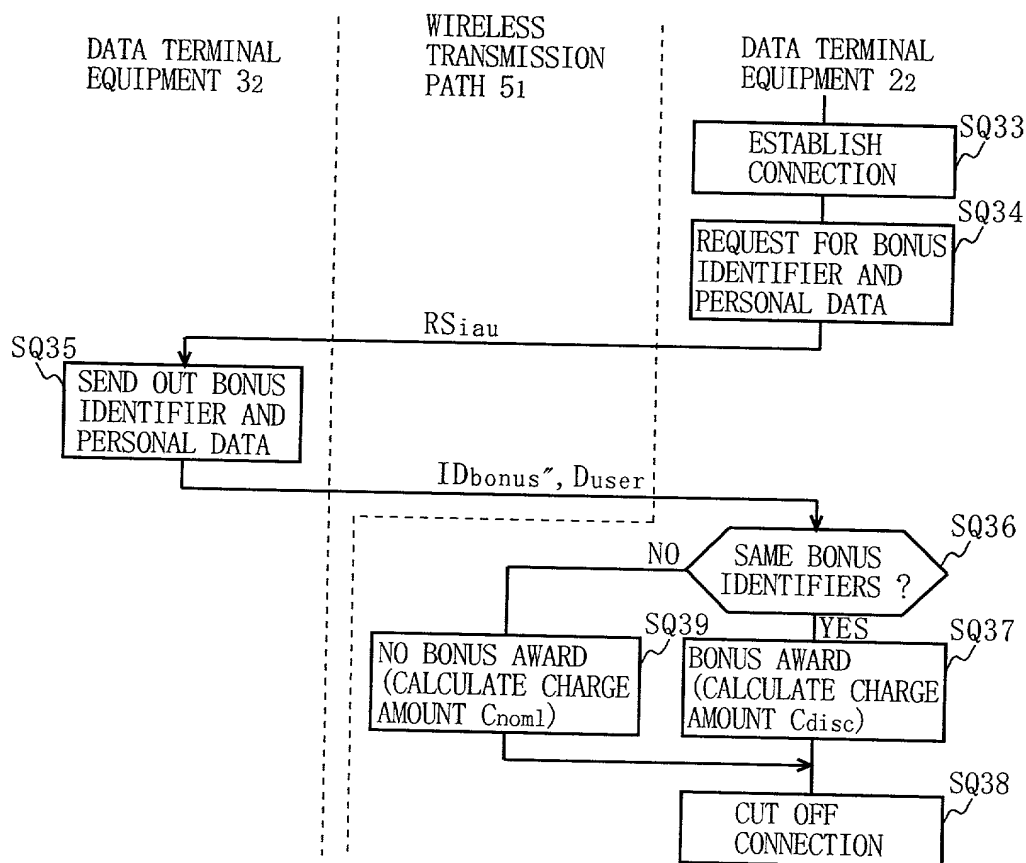


FIG. 14B

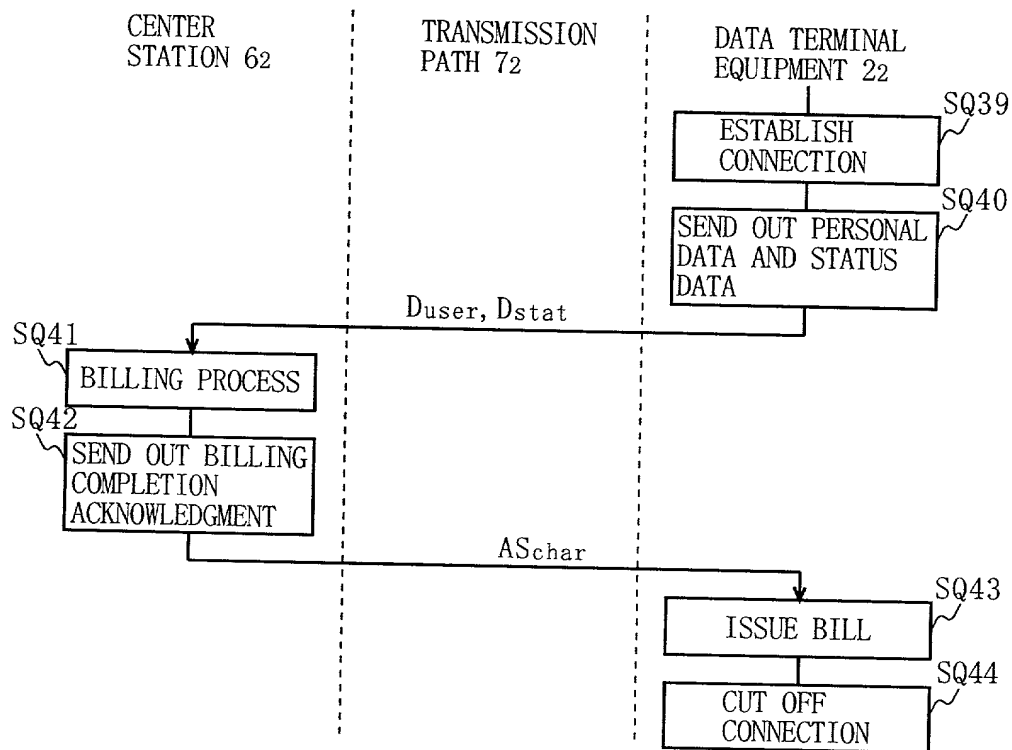
PERSONAL DATA D _{user}		STATUS DATA D _{stat}		
CREDIT CARD NUMBER	VALID DATE	DATE USED	SHOP NAME	CHARGE AMOUNT
WWXXYYZZ	YY1/MM1	MM1/DD1	PUB X	\$100
WWYYXXZZ	YY2/MM2	MM2/DD2	RESTAURANT Z	\$200
⋮	⋮	⋮	⋮	⋮
WWXXYYZZ	YY1/MM1	MM3/DD3	DEPARTMENT Y	\$320

FIG. 15



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FIG. 16



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FIG. 17

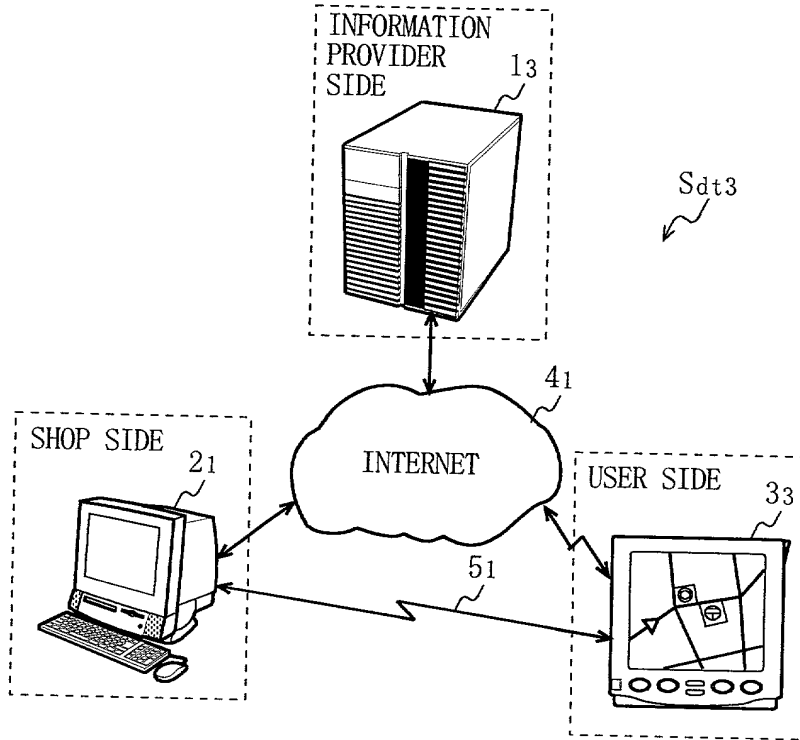


FIG. 18

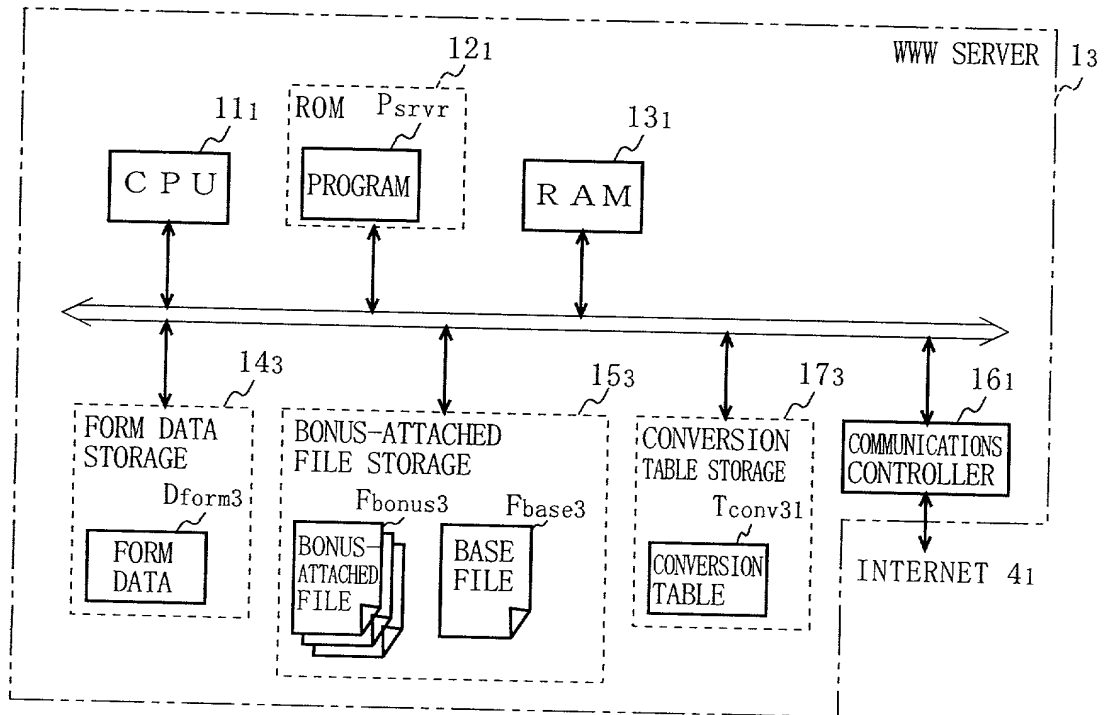


FIG. 19A

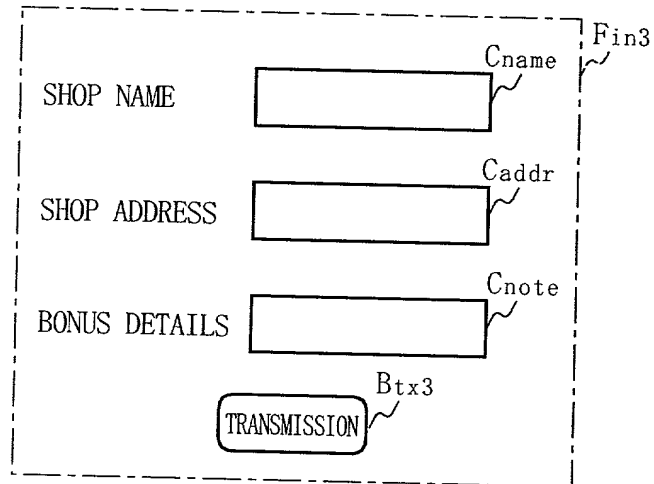


FIG. 19B

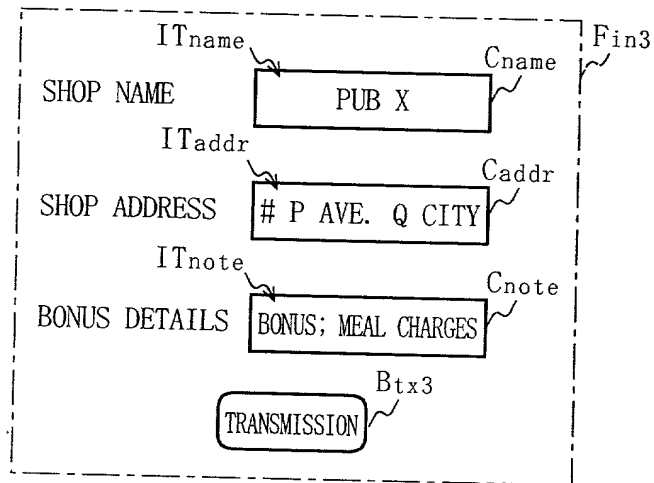


FIG. 20A

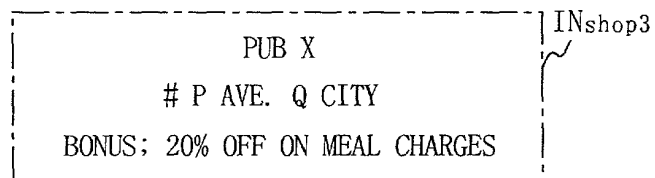


FIG. 20B

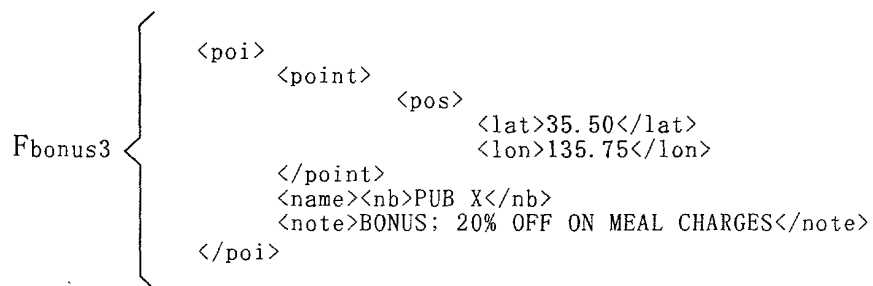


FIG. 21A

Tconv31

	SHOP ADDRESS (ITEM ITaddr)	REPRESENTATIVE SHOP POSITION Ptype (LATITUDE, LONGITUDE)
Runit31 {	# P AVE. Q CITY	(35.50, 135.75)
Runit31 {	# R AVE. S CITY	(37.30, 136.65)
	⋮	⋮
Runit31 {	# T AVE. U CITY	(36.45, 135.63)

FIG. 21B

Tconv32

	REPRESENTATIVE SHOP POSITION Ptype (LATITUDE, LONGITUDE)	SHOP ADDRESS (ITEM ITaddr)
Runit32 {	(35.50, 135.75)	# P AVE. Q CITY
Runit32 {	(37.30, 136.65)	# R AVE. S CITY
	⋮	⋮
Runit32 {	(36.45, 135.63)	# T AVE. U CITY

FIG. 22

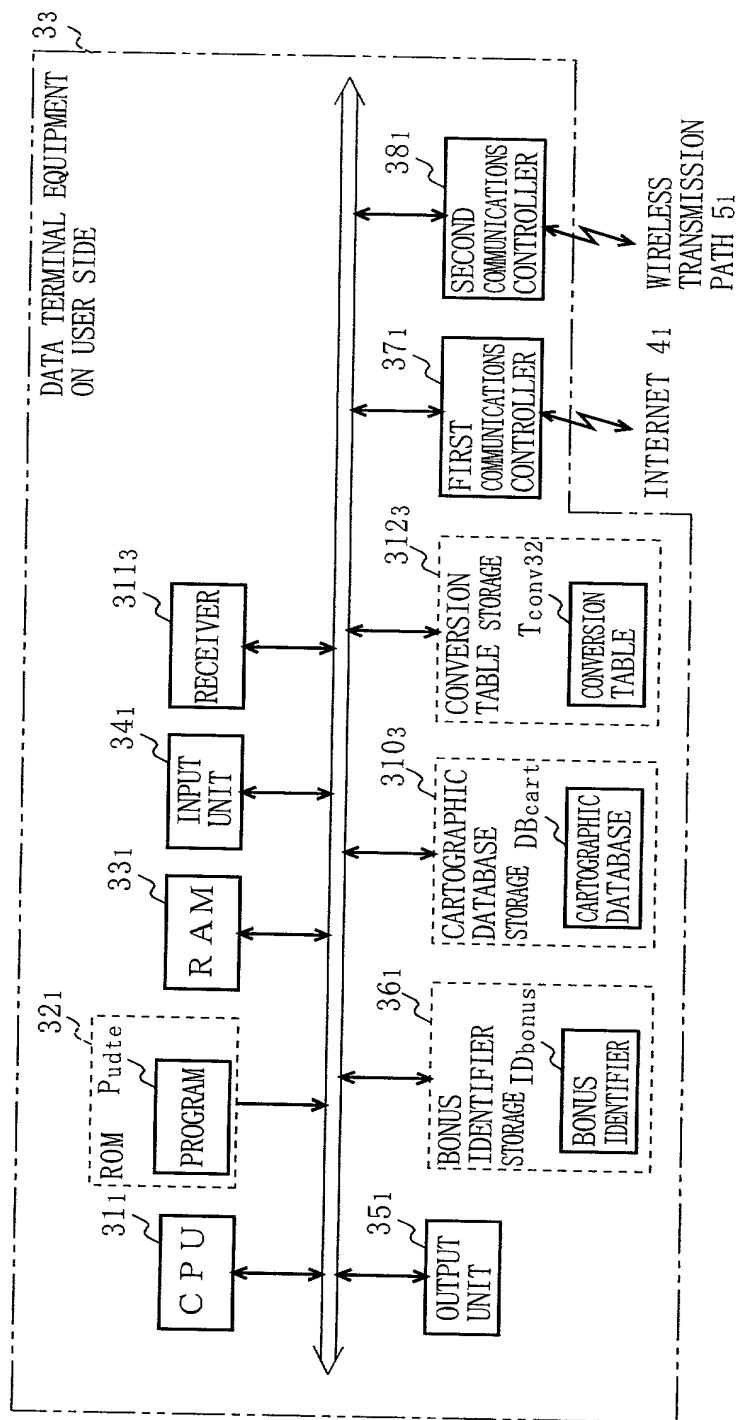
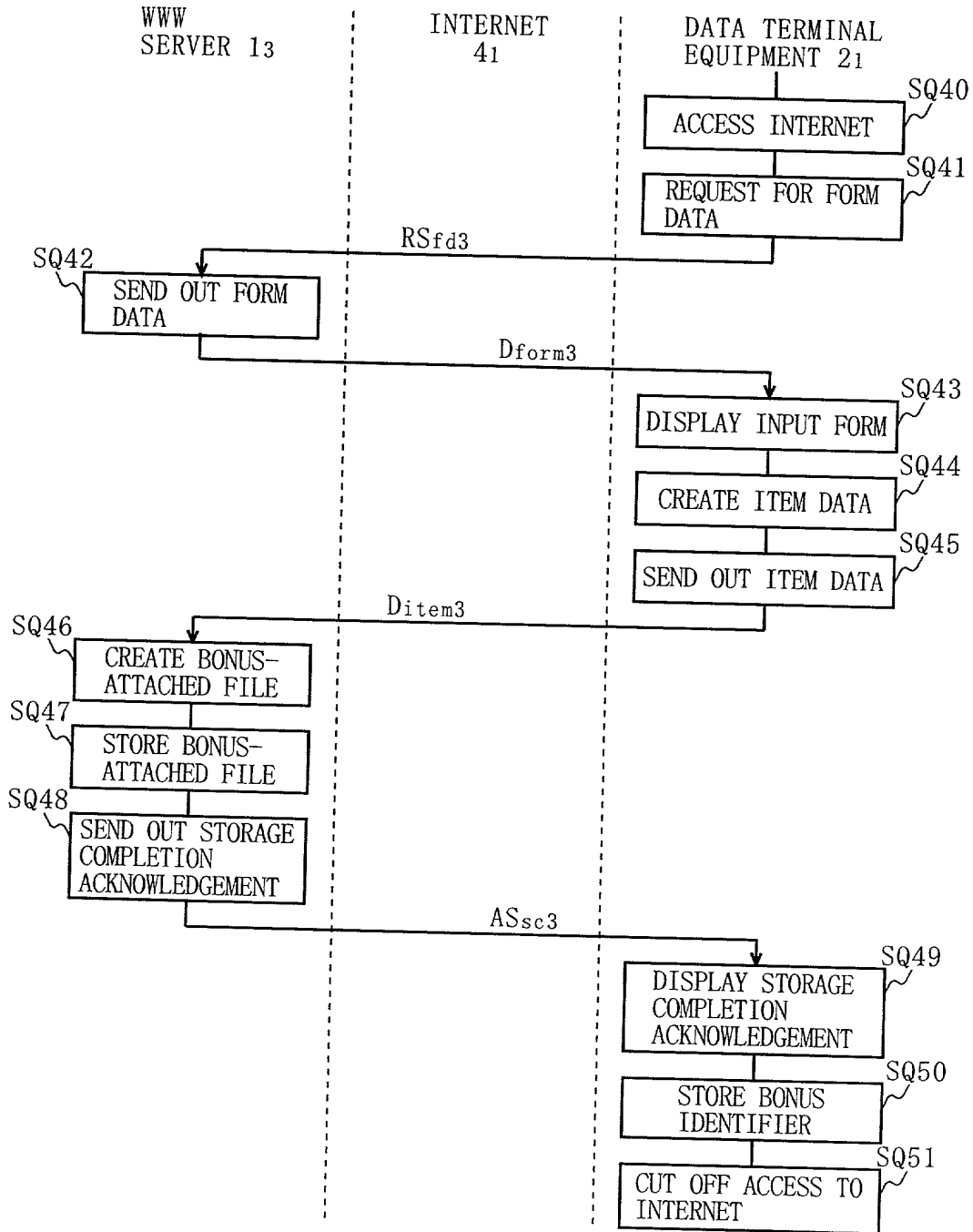
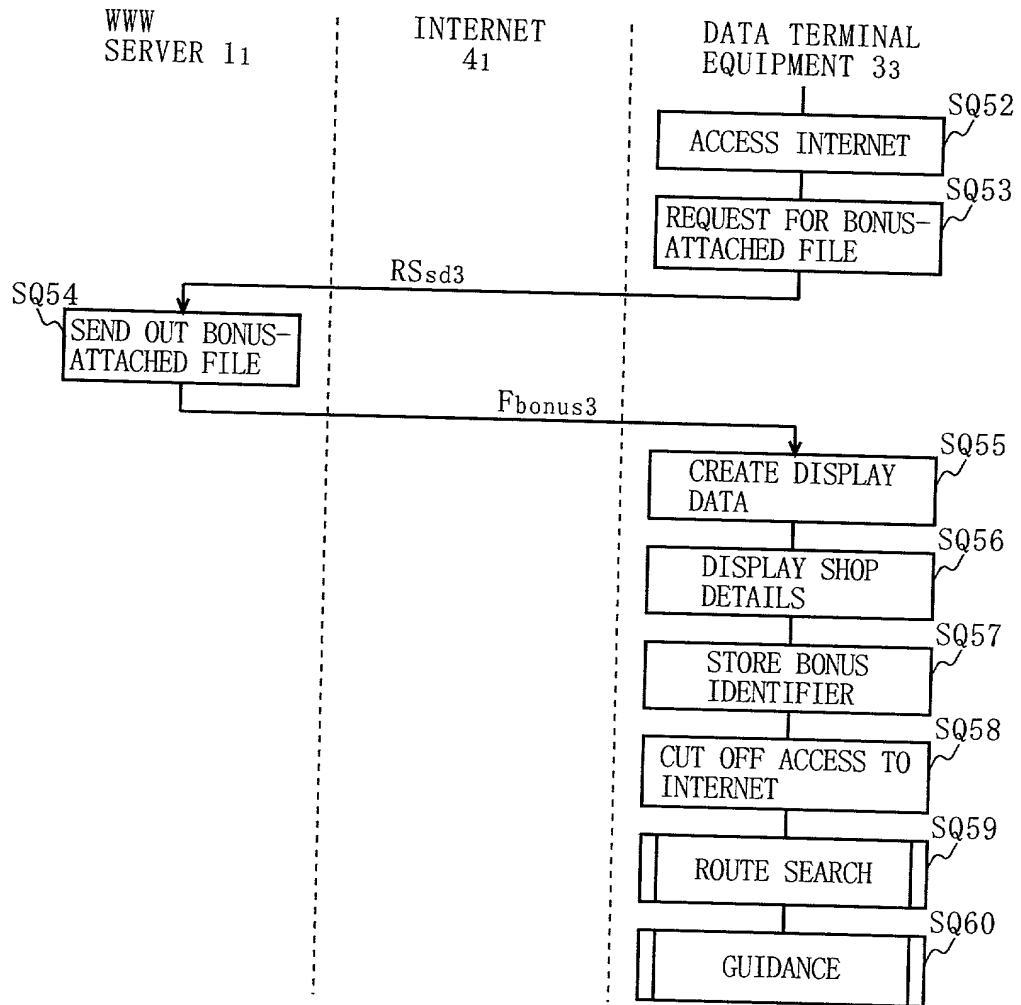


FIG. 23



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FIG. 24



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FIG. 25

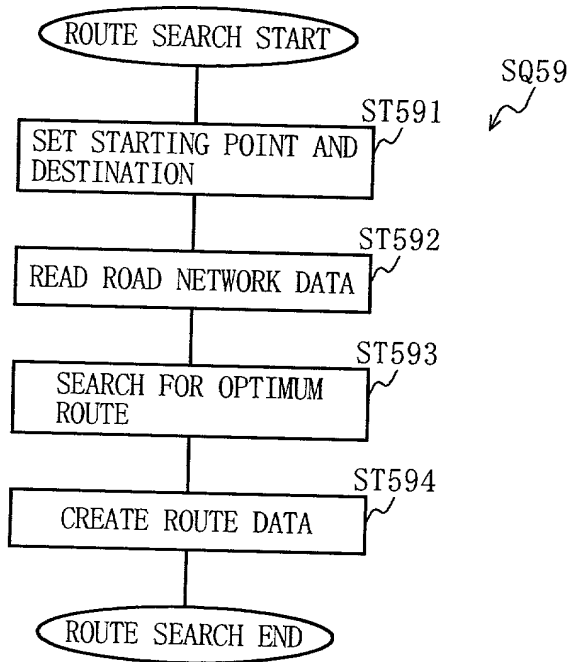


FIG. 26

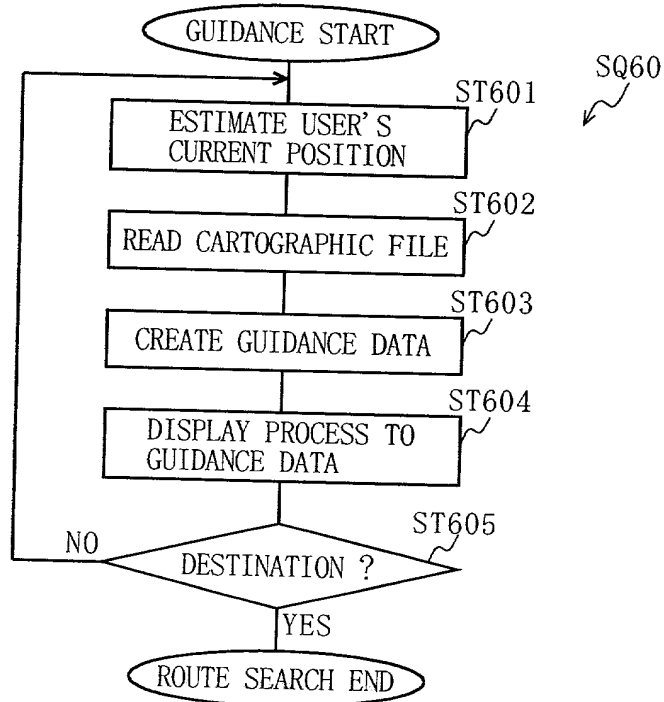


FIG. 27 A PRIOR ART

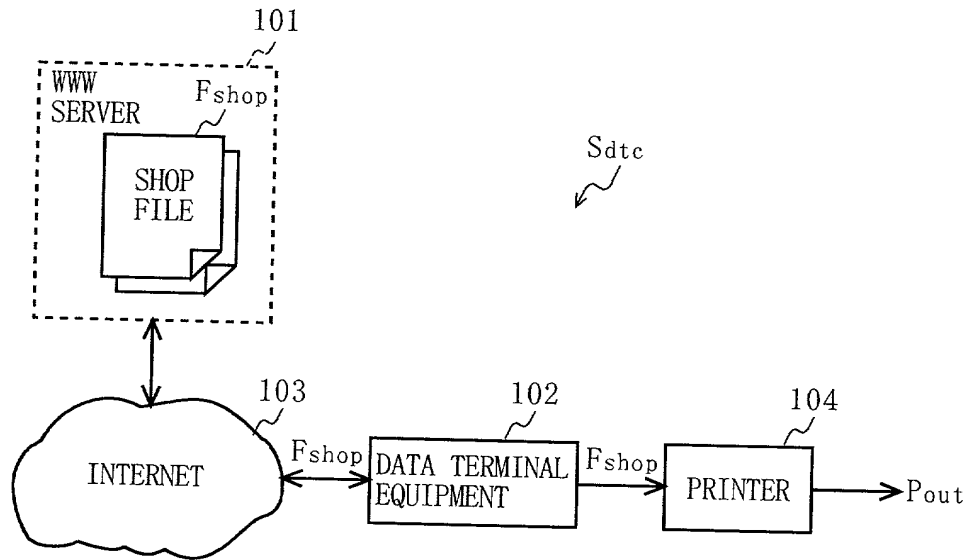
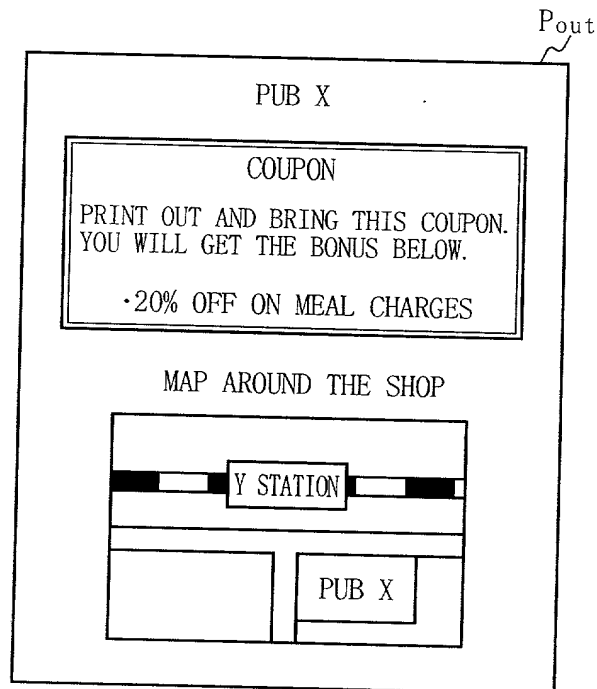


FIG. 27 B PRIOR ART



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